

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number
WO 2004/017986 A1

(51) International Patent Classification⁷: **A61K 38/08**,
38/25, A61P 9/10

(21) International Application Number:
PCT/GB2003/003669

(22) International Filing Date: 21 August 2003 (21.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2,399,548 23 August 2002 (23.08.2002) CA
60/467,890 5 May 2003 (05.05.2003) US

(71) Applicant (for all designated States except US, UZ): **UNIVERSITY OF MONTREAL** [CA/CA]; P.O.Box 6128,
Station A, Montreal, Quebec, H3C 3J7 (CA).

(71) Applicant (for UZ only): **MCNEENEY, Stephen, Phillip**
[GB/GB]; Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ONG, Huy**

[CA/CA]; 2220 Chemin Cambridge, Ville Mont-Royal,
Quebec, H3R 2YE (CA). **MARLEAU, Sylvie** [CA/CA];
238 Rose-Alma, Rosemère, Quebec, J7A 3B8 (CA).
TREMBLAY, André [CA/CA]; 305 De Noirmoutier,
Laval-des-Rapides, Quebec, H7N 5L1 (CA).

(74) Agent: **MCNEENEY, Stephen**; Eric Potter Clarkson,
Park View House, 58 The Ropewalk, Nottingham NG1
5DD (GB).

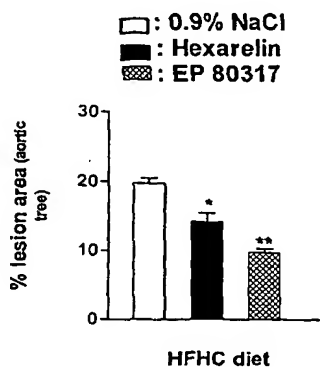
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: GROWTH HORMONE-RELEASING PEPTIDES IN THE TREATMENT OF PREVENTION OF ATHEROSCLEROSIS AND HYPERCHOLESTEROLEMIA

ApoE-null mice, 12 weeks treatment with GHRPs



*, p < 0.01 and **, p < 0.001 compared with 0.9% NaCl; #, p < 0.05 compared with HEX

(57) Abstract: According to the invention there is provided a method of treatment or prophylaxis of atherosclerosis, hypercholesterolemia or a cardiovascular disease associated with atherosclerosis, which method comprises administration of one or more Growth Hormone Releasing Peptides (GHRPs) to a patient in need of such treatment or prophylaxis. There are also provided methods of reducing blood plasma cholesterol levels, as well as methods of modulating the expression of the scavenger receptor CD36 and genes involved in cellular cholesterol efflux.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*